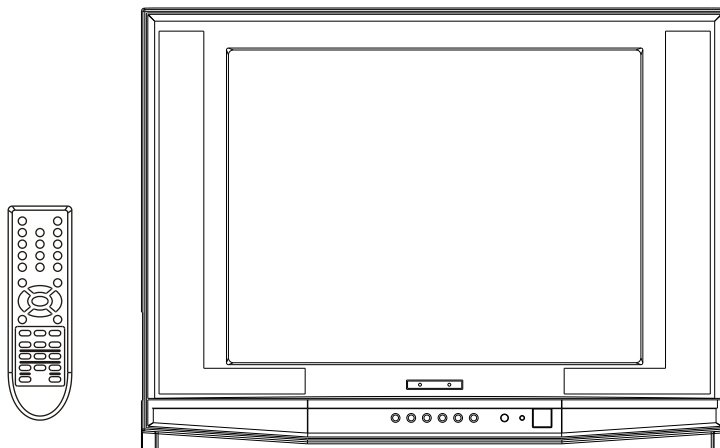


# Skyworth

21"(54cm) COLOUR TELEVISION

- ON SCREEN DISPLAY
- REMOTE CONTROL
- Y Cb Cr/S-Video INPUT
- AV STEREO
- NICAM



**CTV-21T05N  
MANUAL**

**Remarks:**

Customer please confirm all the artwork within 2-3 days. After your confirmation, the factory needs 10-15 days to complete the production. Please be noted that late artwork confirmation will cause shipment delay accordingly.

Skyworth Multimedia International Co.,Ltd

Description: MANUAL(3P31)-8100004070	
Job No. 69003H	Brand Name: SKYWORTH
Ref: 21T05	P/No.
REV:0	Scale:
Engineering Dept:	
Artwork By:	Date: 2006-9-21
Checked By:	Date:
Approved By:	Date:

## SPECIFICATIONS

Receiving System	: DK , I , M
Colour System	: PAL / NTSC
Picture Tube	: 54cm (21") diagonal
Ext. Antenna	: 75 Ohm Coaxial Cable
Ext. In/Out	: Audio/video -in/out
Speaker	: 8 Ohm(8W) x2
Audio Output(MAX)	: 1KHZ 0.5Vrms, 6Wx2
10% THD Audio Output Power	: 1KHZ 0.5Vrms, 6Wx2
Power Consumption	: AC 220V 50/60Hz, 80W MAX
Standby Power Consumption	: AC 220V 50/60Hz, 5 MAX
Dimension	: 600(W) x 475(D) x 452(H)mm
Net Weight	: 24kg

### REMOTE CONTROL

Transmitting System	: Infrared
Power Supply	: DC 3V (1.5 x 2)
Dimension	: 28(W) x 155(L) x 45(D)mm
Net Weight	: 83 g

Design and specifications are subject to change without prior notice.

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## INTRODUCTION

Thank you very much for your purchase of this product-the most natural Colour Television Receiver.

To enjoy your set to the full from the very beginning, read this manual carefully and keep it handy for ready reference.

## INSTALLATION

- Locate the receiver in the room where direct light does not strike the screen.  
Total darkness or a reflection on the picture screen can cause eyestrain. Soft and indirect lighting is recommended for comfortable viewing.
- Allow enough space between the receiver and the wall to permit ventilation.
- Avoid excessively warm locations to prevent possible damage to the cabinet or premature component failure.
- This TV receiver can be connected to AC 220 Volts, 50/60 Hz. Never connect to DC supply or any other power supply.
- Do not install the receiver in a location near heat sources such as radiator, air ducts, direct sunlight, or in a place somewhere like close compartment and close area.
- Do not cover the ventilation openings when using the set.

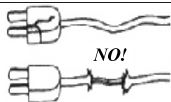
## CAUTION

Never tamper with any components inside your set, or any other adjustment controls not mentioned in this manual. All television receivers are high voltage instruments. The PICTURE TUBE of the TV set is in a almost vacuum condition. If broken, glass fragments will be violently expelled. Scratching, chipping or undue pressure is dangerous and should be avoided. When you clean up dust or stick of a water drop on the PICTURE TUBE FACE or CABINET, the power cord should be pulled out from the plug receptacle, then wipe the receiver with dried soft cloth. During thunder and lightning, unplug the power cord and antenna cord to prevent your TV set from damage. All "inside work" on your receiver should be performed only by the TV service personnel.

## SAFETY PRECAUTIONS

### MAINTENANCE

- When the power cord or plug is damaged or frayed, unplug this TV from the wall outlet and refer servicing to qualified service personnel.



- Do not overload wall outlets and extension cords as this can result in fire or electric shock.



- Do not allow anything to rest on or roll over the power cord and do not place the TV where the power cord is subject to traffic or abuse. This may result in a shock or fire hazard.



- If the TV has been dropped or the cabinet has been damaged, unplug this TV from the wall outlet and refer servicing to qualified service personnel.



- Never push objects of any kind into this TV through cabinet slots as they may touch dangerous voltage points or short out parts that could result in a fire or electric shock.



- Do not attempt to service this TV yourself as opening or removing covers may expose you to dangerous voltage. Refer all servicing to qualified service personnel.



- Do not place this TV on an unstable cart, stand or table. The TV may fall, causing serious injury to human and serious damage to the appliance.



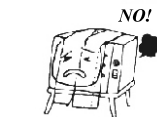
- Avoid dusty places, since accumulated dust inside the chassis may cause failure of the TV when high humidity persists.



- Do not use this TV near water, for example, near a bathtub, washbowl, kitchen sink, or laundry tub, in a wet basement, etc.



- Never cover the slots or openings of the TV with cloth or other material.



- Never block the bottom ventilation slots of the TV by placing it on a bed, sofa, rug, etc.



- Never place the TV near or over a radiator or heat register.



- Never place the TV in a "built-in" enclosure, unless proper ventilation is provided.



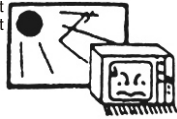
- The TV shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the TV.



## SAFETY PRECAUTIONS

### MAINTENANCE

- Choose a place where light (artificial or sunlight) does not shine directly on the screen.



- If the TV does not work properly and you are unable to restore normal operation by following the "TROUBLESHOOTING" section in your instruction manual, do not attempt any further adjustment. Unplug the TV and consult service personnel.



- Adjust only those controls that are covered in the instruction manual as improper adjustment of other controls may result in damage, please ask your service personnel to restore the TV to normal operation.



- For added protection for this TV during a lightning storm, unplug it from the wall outlet and disconnect the antenna or cable system.



- If a strange sound or smell gives off from the TV, please turn off and unplug it from the wall outlet, then refer to service personnel.



- To prevent fire, never place any type of candle or naked flames on the top or near the TV.



- Avoid any kind of impact to the TV. Be special careful not to damage the screen face.

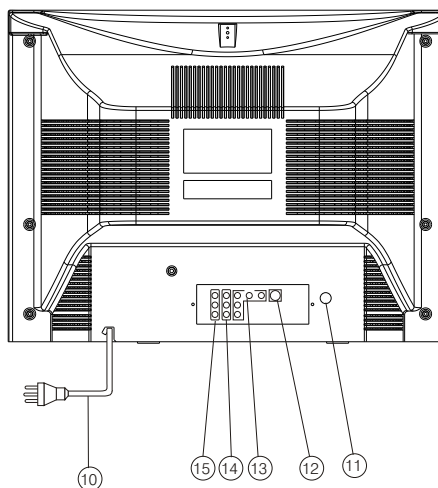
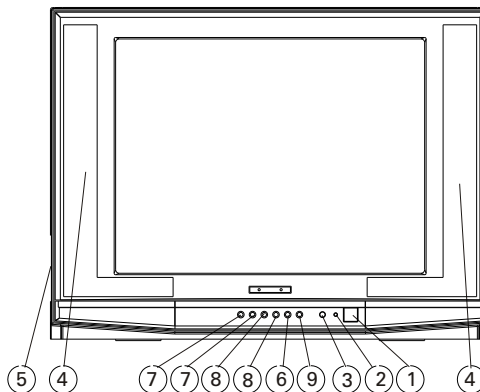


- If the TV is to remain unused for a period of time, turn off and unplug it from the wall outlet.

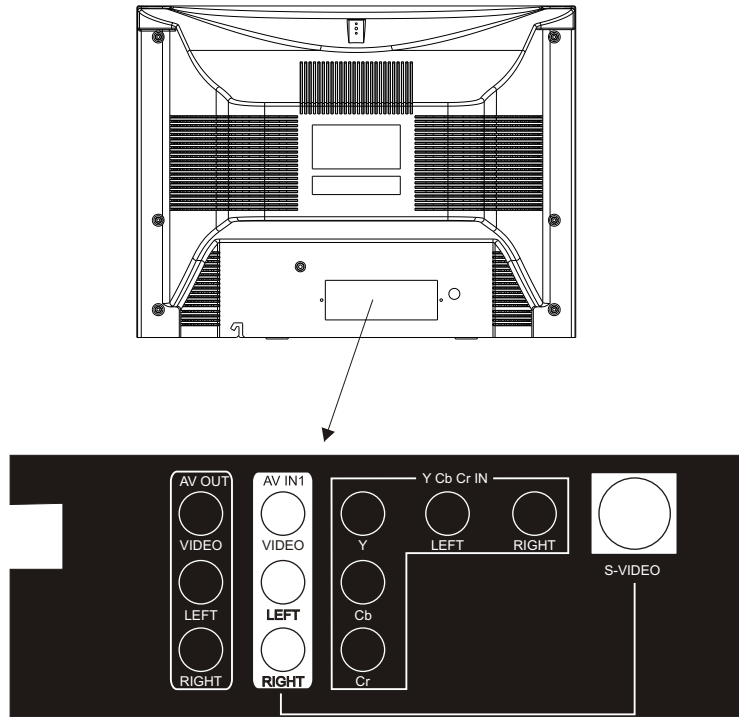


## CONTROL LOCATION

1. Main Switch
2. Power Indicator
3. Remote Sensor
4. Speakers
5. Side AV In (Option)
6. Menu Button
7. Program Down /Up Button
8. Volume Down/Up Button
9. AV/TV
10. AC Power Cord
11. Antenna Input Socket (75 Ohm)
12. S-Video Terminals
13. Y Cb Cr Terminals
14. AV in1 Terminals
15. AV out Terminals



## INPUT AND OUTPUT TERMINALS



### NOTE

For Australia only - Install an external aerial conforming to AS 1417.1 for safety purpose.

### Precautions when connecting to other equipment

When using external equipment with this TV set, please read the instruction manual for the external equipment.

Switch off all power supplies to the equipment and TV set before connection.

Always ensure that the input and output terminals are correctly connected.

\*Do not Connect AV IN 1 (VIDEO) and S-VIDEO together.



## OPERATION INSTRUCTIONS

WARNING: The main power switch (No.1 of the control location page ) is the manually operated mechanical switch . The remote control can not cut off power supply to the TV set. For safety purpose, push main switch to the OFF position and make sure the power indicator go out when not use for long time. Push the power "ON/OFF" switch to the ON position, and then power indicator will light up, the picture(or blue screen) will appear within a few seconds.

### MENU BUTTON

1.Press this button to select PICTURE SOUND TIME SETUP TUNE EXCHANGE menu cyclically.



2.After entering into each menu, you can select submenu which you will adjust with PROG. +/- Buttons or (GREEN)/BLUE buttons. Then you can adjust it with VOL. +/- Buttons or the +(RED)/-(YELLOW).

### **Picture Button**

PICTURE	
CONTRAST	25
BRIGHTNESS	25
COLOUR	25
SHARPNESS	25
HUE	0
BLACK STRETCH	OFF

1.You can select the CONTRAST.BRIGHTNESS.COLOUR.SHARPNESS.HUE. BLACK STRETCH item by pressing PROG+/- buttons or (GREEN) / (BLUE) buttons.

2.You can adjust the CONTRAST.BRIGHTNESS.COLOUR.SHARPNESS.HUE. item by press VOL +/- buttons or (RED) / (YELLOW) buttons.

3.You can set the BLACK STRETCH.COMB FILTER item ON or OFF by pressing VOL +/- buttons or (RED) / (YELLOW) buttons.

\*HUE is displayed only for NTSC system.

### **Sound Button**

SOUND	
VOLUME	6
BASS	25
TREBLE	25
BALANCE	0
SURROUND	ON

1.You can select the VOLUME.BASS.TREBLE.BALANCE. SURROUND item with the PROG+/- buttons or the (GREEN) / (BLUE) buttons.

2.You can adjust VOLUME.BASS.TREBLE item with VOL +/- buttons or (RED) / (YELLOW) buttons.

3.You can turn the SURROUND item ON or OFF with VOL +/- buttons or (RED) / (YELLOW) buttons.

## OPERATION INSTRUCTIONS

### TIMERS

TIME	
CLOCK	--:--
ON TIME	--:--
ON PROG	1
OFF TIME	--:--
SLEEP TIMER	20
REMIND TIME	--:--
REMIND PROG	1

#### 1.CLOCK

Select hour or minute with PROG +/- buttons or (GREEN) / (BLUE) buttons

Adjust CLOCK time with VOL +/- buttons or (RED) / (YELLOW) buttons  
You can press CLOCK buttons to display currently clock time.

#### 2.ON TIME

Select hour or minute with PROG +/- buttons or (GREEN) / (BLUE) buttons.

Adjust ON TIME with Vol +/- buttons (RED) / (YELLOW) buttons.

#### 3.ON PROG.

Select ON PROGRAM with VOL+ or (RED) buttons.

#### 4.OFF TIMER

Select hour or minute with PROG +/- buttons or (GREEN) / (BLUE) buttons.

Adjust REMIND time with VOL +/- buttons or (RED) / (YELLOW) buttons.

#### 5.SLEEP TIMER

Set SLEEP TIME with VOL +/- buttons or (RED) / (YELLOW) buttons.

#### 6.REMINDER TIMER

Select hour or minute with PROG +/- buttons or (GREEN) / (BLUE) buttons.

Adjust REMIND TIME with VOL +/- buttons or (RED) / (YELLOW) buttons.

#### 7.REMIND PROG

Select REMIND PROGRAM with VOL +/- buttons or (RED) / (YELLOW) buttons.

\* Timer function need resetting when you switch off the TV set by the main power switch or unplugging the power cord, and which runs normally when by remote control.

You can select the item by pressing PROG +/- buttons or (GREEN) / (BLUE) Button, then you can adjust it by Vol +/- buttons or (RED) / (YELLOW) buttons.

### SETUP Button

SETUP	
LANG.	ENGLISH
BACK GROUND	ON
NOISE REDUCE	OFF
CHILD LOCK	OFF

#### 1.LANGUAGE

You can select the on-screen display language.

#### 2.BACK GROUND

Press VOL +/- buttons or (RED) / (YELLOW) buttons to set it ON or OFF.

For BACKGROUND, only when no signal is input in TV mode.

#### 3.NOISE REDUCE(Option)

Press VOL +/- buttons or (RED) / (YELLOW) buttons to set it ON or OFF. For Noise REDUCE, only in TV mode.

#### 4.CHILD LOCK

Press VOL +/- buttons or (RED) / (YELLOW) buttons to set it ON or OFF.

If you set it ON, the key on the TV set is disable and only the remote control functions.

## OPERATION INSTRUCTIONS

### TUNE MENU

TUNE	
COLOUR SYS	AUTO
SOUND SYS	M
BAND	VHF-L
SKIP	OFF
PROGRAM	2
SEARCH	
FINE TUNE	
AUTO SEARCH	

You can select the item by press the PROG+/- buttons or the (GREEN) / (BLUE) buttons, move to the menu you select and then do as follows.

#### 1.COLOUR SYS

Press VOL +/- buttons or (RED) / (YELLOW) buttons to set the colour system.

#### 2.SOUND SYS

Press VOL +/- buttons or (RED) / (YELLOW) buttons to set the sound system.

#### 3.BAND

Press VOL +/- buttons or (RED) / (YELLOW) buttons. You can select the Band VHF-L, VHF-H or UHF.

▶VHF-L—VHF-H—UHF

#### 4.SKIP

Press VOL +/- buttons or (RED) / (YELLOW) buttons to set skip on or off, when you set skip on, this program will be hidden.

#### 5.PROGRAM

Press VOL +/- buttons or (RED) / (YELLOW) buttons to set the PROGRAM number.

#### 6.FINE TUNE

For better quality with VOL +/- buttons or (RED) / (YELLOW) buttons.

#### 7.SEARCH

Press VOL +/- buttons or (RED) / (YELLOW) buttons to search for next or previous available program, the set will automatically stop while the signal is received.

#### 8.AUTO SEARCH

Press VOL +/- buttons or (RED) / (YELLOW) buttons, the TV set will automatically search in 3 bands and store every program.

\*In AV mode, only COLOUR SYS displayed under this menu.

\*After fine tune. The colour of program number will change from GREEN to YELLOW.

### EXCHANGE MENU

EXCHANGE	
PROGRAM	1
PROGRAM	1
EXCHANGE	

In AV mode, this item will not be displayed.

Select the item by pressing the PROG+/- buttons or the (GREEN) / (BLUE) buttons.

#### 1.PROGRAM 1

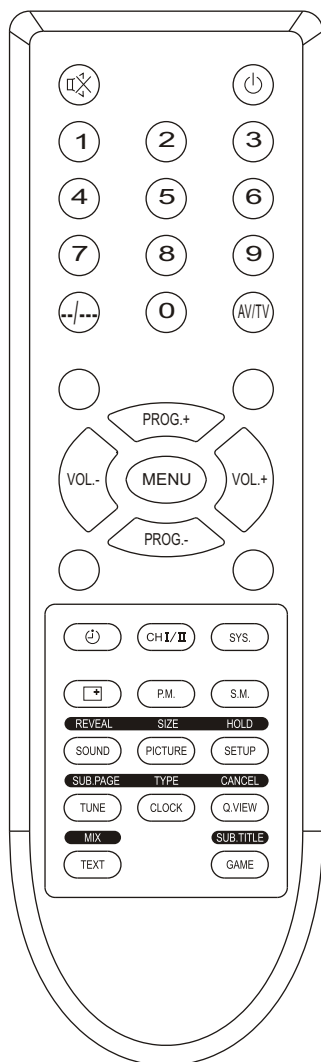
Press VOL +/- buttons or (RED) / (YELLOW) buttons to adjust PROGRAM 1.

#### 2.PROGRAM 2

Press VOL +/- buttons or (RED) / (YELLOW) buttons to adjust PROGRAM 2.

3.Press VOL +/- buttons or (RED) / (YELLOW) buttons to exchange PROGRAM 1 and PROGRAM 2.

## LOCATION OF CONTROL (REMOTE HANDSET UNIT)



### STANDBY BUTTON(⏻)

Press this button to turn the TV on/off. Press any Number Button or Program Up/Down Button, picture and sound will appear on within a few seconds.

### SLEEP BUTTON(⌚)

This key is used to set the sleep timer from in 10 minutes step up to three hours. When the preset time runs to 0, the TV set will go into stand by mode.

\*If no program received, the TV set will switch to stand by automatically in 5 minutes.

### SOUND SYSTEM BUTTON (SYS.)

When the sound system is incorrect, press this button to select the correct sound system.

### STEREO/MONO DUAL CH I/II BUTTON(I/II)(OPTION)

The third line on the top right corner of the screen automatically changes to green when a NICAM broadcast is received.

As stereo program is received. You can select STEREO.MONO. or FM by pressing the ST/MO/I/II button.

As bilingual program is received. You can select DUAL-1,DUAL-2 or FM by pressing the ST/MO/I/II button.

Remark: FM: Standard mode STEREO: Stereo mode MONO: Mono mode

DUAL-1: multi sound channel for language 1

DUAL-2: multi sound channel for language 2

### PROGRAM UP/DOWN BUTTON (PROG. +/-)

Press the Program Up Button to select the program forwards.

Press the Program Down Button to select the program backwards.

(Use this button for Page Up/Down to increase/decrease page number in TELETEXT mode.)

## LOCATION OF CONTROL (REMOTE HANDSET UNIT)

### VOLUME UP/DOWN BUTTONS (VOL. +/-)

Press Volume Up/Down Buttons to adjust sound level.

### PROGRAM SELECTION BUTTONS(0-9)

Push the number for your desired program and the program indicator will be displayed on the screen.

Press number key 0-199 for program selection.

Press the number keys to select teletext pages in teletext mode.

### MUTE BUTTON( )

Press once to mute the sound, press again to return to previously set sound level.

### MENU RECALL BUTTON( )

Press this button sequential to recall for the program number, system, logo etc on the screen.

### SOUND MODE BUTTON(S.M.)

Press this button to select the desired sound mode, USER.SPEECH. THEATER and MUSIC can be selected cyclically.

### PICTURE MODE BUTTON(P.M.)

Press this button to select the desired picture mode,RICH.USER.SOFT and STANDARD can be selected cyclically.

### DIGIT BUTTON(--/--)

Press this button to select program between 0-199 program.

To select a one-digit number: press "--/--" button to display "-",then press 0-9 to select a number 0-9,or press the number 0-9 directly.

To select a two-digit number: press "--/--" button to display "--".then press 0-9 to select a number 10-99.

To select a three-digit number: press "--/--" button to display "1--".then press 0-9 to select a number 100-199.

### COLOUR BUTTONS(RED/YELLOW/GREEN/BLUE)

In TV mode, the (GREEN)/ (BLUE) buttons has the same function as PROG+/- buttons; the (RED) / (YELLOW) buttons has the same function as VOL +/--button.

In TELETEXT mode, press these colour buttons, the color of page no of teletext will change to the same colour as that of the buttons.

\*Both of the sound mode"SPEECH,MUSIC, THEATER" or picture mode "RICH, SOFT , STANDARD" are fixed by factory, all the change of these settings will be saved into the" USER"mode automatically.

## **LOCATION OF CONTROL (REMOTE HANDSET UNIT)(TELETEXT OPTION)**

### **MENU BUTTON(MENU/INDEX)**

In TV mode, this button is used as MENU command; in TELETEXT mode, used as INDEX key.

MENU: To use MENU button for the turning procedure, please refer to page 7-9 for the details.

INDEX: Press INDEX button to obtain the index page.

### **AV/TV MODE BUTTON (AV/TV/LANG.)**

In TV mode, used as AV command; in TELETEXT mode, used as LANG. key.

AV/TV: Press this button to display external video signal such as VCR or CD video player.

LANG. : Press this button to switch the teletext LANGUAGE such as English or Russian.

### **SOUND MENU BUTTON(SOUND/RECALL)**

In TV mode, used as SOUND menu command; In TELETEXT mode, used as REVEAL key.

SOUND: Press this button to enter into the SOUND menu directly.

RECALL : Sometimes the answers of quizzes, jokes etc are hidden. Press REVEAL button to reveal the hidden information.

### **PICTURE MENU BUTTON(PIC./SIZE)**

In TV mode, used as PICTURE menu command; in TELETEXT mode, used as SIZE key.

PIC.: Press this button to enter into the PICTURE menu directly.

SIZE: The top or bottom half of any page can be enlarged by pressing this button.

### **SETUP MENU BUTTON(SETUP/HOLD)**

In TV mode, used as SETUP menu command; In TELETEXT mode, used as HOLD key.

SETUP: Press SETUP button to enter into the setup menu directly.

HOLD: Sub-pages will scroll automatically. Press HOLD button to hold a sub-page. To release the page, press HOLD again.

### **TUNE MENU BUTTON(TUNE/SUB.PAGE)**

In TV mode, used as TUNE menu command; In TELETEXT mode, used as SUB.PAGE key.

TUNE: Press this button to enter into the TUNE menu directly.

SUB.PAGE: Some pages attach sub-page, Page number may contain several subpages which are automatically paged by the TV station. Press this button once. 0001 will be displayed on screen, use number key(0-9) to look for other sub-pages if available. If there is no sub-page, \*\*\*\* will be displayed. To cancel this, press this button again.

### **LOCATION OF CONTROL (REMOTE HANDSET UNIT)(TELETEXT OPTION)**

#### **GAME BUTTON(GAME/SUB.TITLE)**

In TV mode, used as GAME command; In TELETEXT mode, used as SUB.TITLE key.

GAME: You can play the game on TV. To speed up with PRGO-, transform with PRGO+. Shift left with VOL-, shift right with VOL+.

SUB.TITLE: Press SUB.TITLE button to view the sub-titles.

#### **CLOCK BUTTON(CLOCK/TYPE)**

In TV mode, used as CLOCK command; In TELETEXT mode, used as TYPE key.

CLOCK: Display the time on the top right corner of the screen.

TYPE: Press this button to switch the teletext TYPE such as west/east type.

#### **TEXT/BUTON(ON/MIX/OFF)**

Press this button to display TELETEXT signal, mix TELETEXT page with TV signal and return to TV.

Note: To avoid mixing of External R.G.B while viewing Teletext. Disconnect scart plug or switch off external R.G.B source.

#### **Q.VIEW BUTTON(Q.VIEW/CANCEL)**

In TV mode, used as Q.VIEW command; In TELETEXT mode, used as CANCEL key.

Q.VIEW: Press this button to return to the previously viewed program.

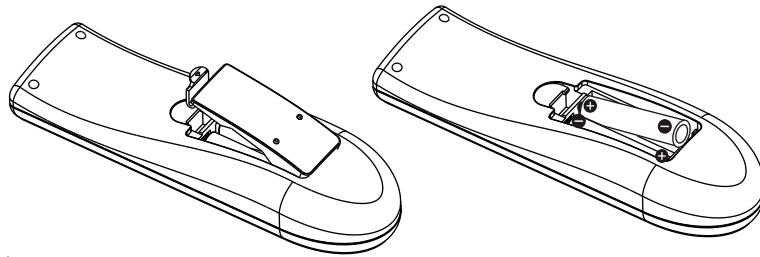
CANCEL: If you want to watch TV but not cancel the TELETEXT mode completely. Press the CANCEL button. When the last selected page is updated, the page number will be appeared at the top of the TV screen. Press the CANNEL button again to reveal the page.

## BATTERY INSTALLATION (REMOTE CONTROL UNIT)

1. Remove the battery cover.
2. Insert the 2 UM4 - AAA 1.5V batteries making sure the polarity (+ or -) of the batteries matches the polarity marks inside the unit.
3. Replace the battery cover.

Replace with new batteries when the TV set begins to show the following symptoms:

Operation is unsteady or erratic. Sometimes the TV set does not function with Remote Control Unit.



Remark:

- 1) Alkaline Batterie Recommended
- 2) Remove batteries when they are exhausted or if the remote control is not to be used for a long time.

## THE CAUSES OF INTERFERENCE

Incorporated in your TV receiver are the most up-to-date devices to eliminate interference. Local radiation however, can create disturbances which visibly affect your picture. Proper installation, a good aerial are your best safe-guards against these disturbances.

### RF INTERFERENCE

Moving ripples across the screen are caused by nearby transmitting or receiving-short-wave radio equipment.

### DIATHERMY

Herringbone pattern and partial picture loss can result from the operation of diathermy equipment from a nearby doctor's surgery or hospital.

### SNOW

Weak TV signals from long distant stations result in an instead picture and give the effect of falling snow. An antenna adjustment or antenna amplifier may be needed.

### GHOST

Multiple image caused by TV signals reflected back from surrounding buildings, hills, aircraft, etc. is minimized by correct aerial positioning.

### CAR IGNITION

Nearby cars and electrical motors can cause small streaks across the picture or make the picture roll.



## SERVICE TIPS

BEFORE CALLING FOR SERVICE, HAVE YOU  
CHECKED ( ☒ ) THE FOLLOWING CHART  
ON SYMPTOMS AND SOLUTIONS?

Symptoms	Solution											
	Try different channel, if OK, probably station trouble											
	Check aerial connections on back of set											
	Check aerial for broken wires											
	Re-orient aerial (if indoor type)											
	Probably local interference, such as an appliance											
	Adjust fine tuning control											
	Adjust brightness control											
	Adjust contrast control											
	Check if station is broadcasting colour											
	Check if system switch is correct											
	Check if on/off switch is "on"											
	Check Batteries in Remote control											
No picture, no sound	●	●	●	●	●	●	●	●	●	●	●	●
Poor sound, picture OK	●	●	●	●	●	●	●	●	●	●	●	●
Poor picture, sound OK	●	●	●	●	●	●	●	●	●	●	●	●
Weak picture	●	●	●	●	●	●	●	●	●	●	●	●
Blurred picture	●	●	●	●	●	●	●	●	●	●	●	●
Double image	●	●	●	●	●	●	●	●	●	●	●	●
Lines in picture	●	●	●	●	●	●	●	●	●	●	●	●
Distorted picture	●	●	●	●	●	●	●	●	●	●	●	●
Weak reception on some channels	●	●	●	●	●	●	●	●	●	●	●	●
Horizontal bars	●	●	●	●	●	●	●	●	●	●	●	●
Picture rolls vertically	●	●	●	●	●	●	●	●	●	●	●	●
Poor colour	●	●	●	●	●	●	●	●	●	●	●	●
No colour	●	●	●	●	●	●	●	●	●	●	●	●
Misoperation of Remote control	●	●	●	●	●	●	●	●	●	●	●	●
No Remote control	●	●	●	●	●	●	●	●	●	●	●	●
On Screen Display Control outside the screen	●	●	●	●	●	●	●	●	●	●	●	●